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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/476,461	12/30/1999	JOHN LAWRENCE SNAPP	AWS455	7881

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EXAMINER

TO, DORIS HA

ART UNIT PAPER NUMBER

2682

DATE MAILED: 08/28/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/476,461

Applicant(s)

SNAPP, JOHN LAWRENCE

Examiner

Doris To

Art Unit

2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 May 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Hauser et al [US 5,734,700].

Regarding claims 1, Hauser discloses subscriber unit roaming between two dissimilar systems. Hauser discloses a method for use in a mobility gateway for forwarding a call directed to a roaming subscriber unit, the method comprising: storing, at the mobility gateway (11, 15, 17 and 19) a plurality of temporary transfer-to telephone numbers; and selecting, for association with the roaming subscriber unit, one of the temporary transfer-to telephone numbers, see Figs. 1-8.

Regarding claim 2, Hauser discloses that the temporary transfer-to number is homed on a MSC that is different from a MSC serving the roaming subscriber unit.

Regarding claim 3, Hauser also shows sending the message having the temporary transfer-to telephone number to a MSC serving the roaming subscriber unit.

Claim Rejections - 35 USC § 103

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 4-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hauser et al.

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Regarding claims 4-6, although Hauser does not specifically show the location information, one of ordinary skill in the art would have readily appreciated that in mobile communication systems, the location of each subscriber unit is stored in the HLR. Since Hauser shows HLR, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Hauser such that locations of subscriber units are stored in the HLR in order for the mobile communication system to track the subscriber units. With the modification of location information, it would further have been obvious for the system to send and receive location request messages.

Regarding claim 7, the redirection request message reads on the system using the temporary transfer-to telephone number to direct the caller to the associated voicemail bins.

Regarding claim 8, Hauser shows ANSI-41 based network (see USA mobile communication system), GSM-based network (Europe), a memory for storing a plurality of temporary transfer-to telephone numbers associated with a roaming subscriber unit. Hauser also shows the step of selecting one of the plurality of temporary transfer-to telephone numbers, but does not specifically show a processor. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Hauser with a known processor in order to perform the step of selecting.

Regarding claims 9-14, with the modification above, the roaming subscriber unit would roam into the GSM-based network. These claims are further interpreted and rejected for the same reasons as set forth in the rejections of claims as described above.

Regarding claims 15-21, these claims are interpreted and rejected for the same reasons as set forth in the rejection of the combined claims as described above.

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Response to Arguments

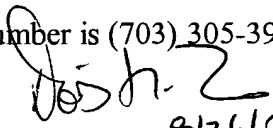
5. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Doris To whose telephone number is (703) 305-4827. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vivian Chin can be reached on (703) 308-6739. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.


Doris To 3126102
Primary Examiner
Art Unit 2682